
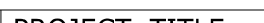


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THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.				DESIGNER/DRAFTER: CJL/MK CHECKED BY: MWD		 <div>             STATE OF CONNECTICUT              DEPARTMENT OF TRANSPORTATION           </div> 		PROJECT TITLE:  <div>RECONSTRUCTION OF ROUTE 31</div>		TOWN:  <div>COVENTRY</div>		PROJECT NO. <div>32-130</div>	
REV.    DATE    REVISION DESCRIPTION    SHEET NO.				SCALE AS NOTED		ENGINEER:    VV ENGINEERS, INC. APPROVED BY:    DATE:		DRAWING TITLE: <div>INDEX OF DRAWINGS</div>		DRAWING NO. <div>ILL-01</div>		SHEET NO. <div>06.01</div>	

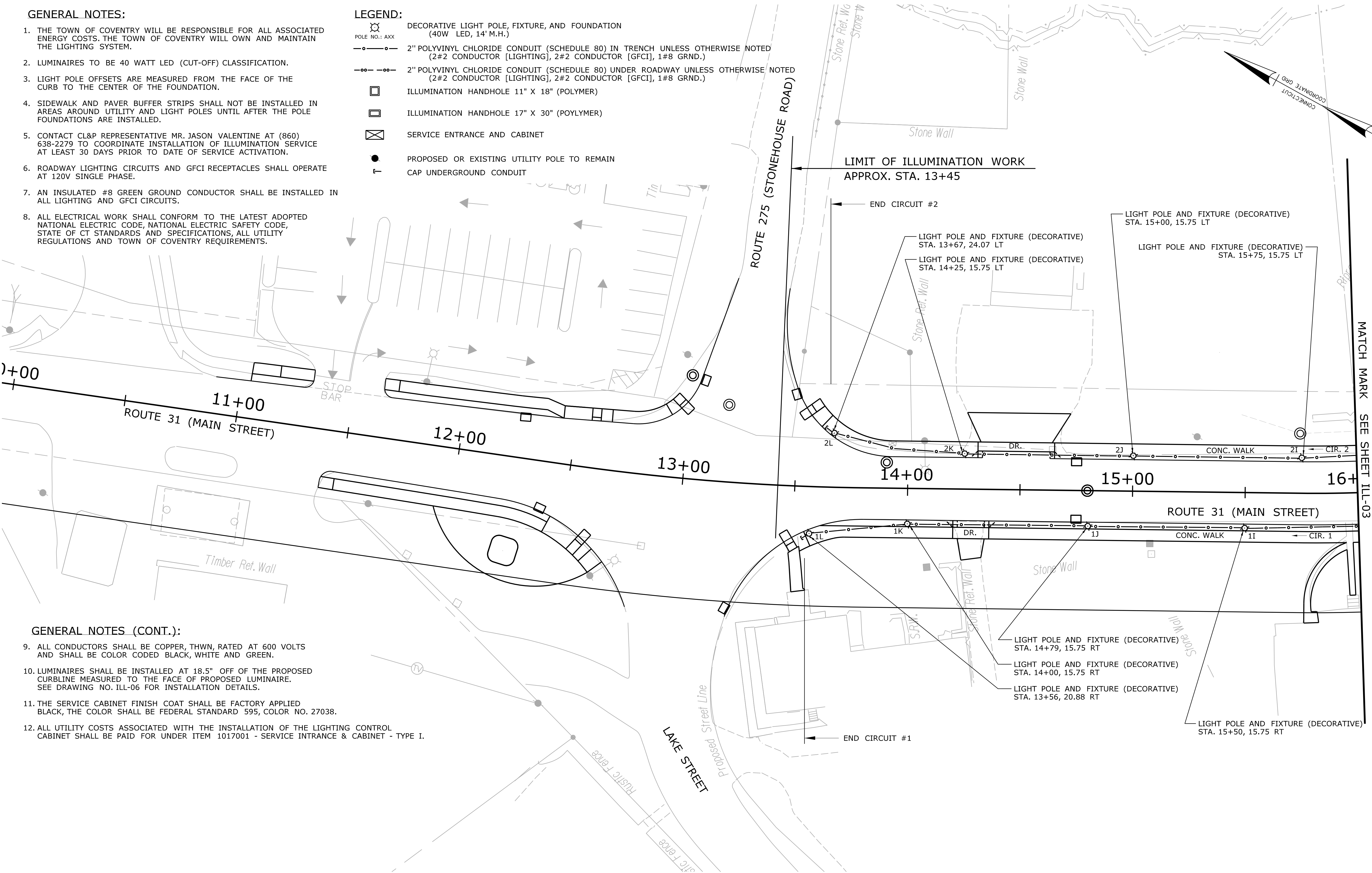


GENERAL NOTES:

1. THE TOWN OF COVENTRY WILL BE RESPONSIBLE FOR ALL ASSOCIATED ENERGY COSTS. THE TOWN OF COVENTRY WILL OWN AND MAINTAIN THE LIGHTING SYSTEM.
2. LUMINAIRES TO BE 40 WATT LED (CUT-OFF) CLASSIFICATION.
3. LIGHT POLE OFFSETS ARE MEASURED FROM THE FACE OF THE CURB TO THE CENTER OF THE FOUNDATION.
4. SIDEWALK AND PAVER BUFFER STRIPS SHALL NOT BE INSTALLED IN AREAS AROUND UTILITY AND LIGHT POLES UNTIL AFTER THE POLE FOUNDATIONS ARE INSTALLED.
5. CONTACT CL&P REPRESENTATIVE MR. JASON VALENTINE AT (860) 638-2279 TO COORDINATE INSTALLATION OF ILLUMINATION SERVICE AT LEAST 30 DAYS PRIOR TO DATE OF SERVICE ACTIVATION.
6. ROADWAY LIGHTING CIRCUITS AND GFCI RECEPTACLES SHALL OPERATE AT 120V SINGLE PHASE.
7. AN INSULATED #8 GREEN GROUND CONDUCTOR SHALL BE INSTALLED IN ALL LIGHTING AND GFCI CIRCUITS.
8. ALL ELECTRICAL WORK SHALL CONFORM TO THE LATEST ADOPTED NATIONAL ELECTRIC CODE, NATIONAL ELECTRIC SAFETY CODE, STATE OF CT STANDARDS AND SPECIFICATIONS, ALL UTILITY REGULATIONS AND TOWN OF COVENTRY REQUIREMENTS.

LEGEND:

- POLE NO.: AXK
- DECORATIVE LIGHT POLE, FIXTURE, AND FOUNDATION (40W LED, 14' M.H.)
- 2" POLYVINYL CHLORIDE CONDUIT (SCHEDULE 80) IN TRENCH UNLESS OTHERWISE NOTED (2#2 CONDUCTOR [LIGHTING], 2#2 CONDUCTOR [GFCI], 1#8 GRND.)
- 2" POLYVINYL CHLORIDE CONDUIT (SCHEDULE 80) UNDER ROADWAY UNLESS OTHERWISE NOTED (2#2 CONDUCTOR [LIGHTING], 2#2 CONDUCTOR [GFCI], 1#8 GRND.)
- ILLUMINATION HANDHOLE 11" X 18" (POLYMER)
- ILLUMINATION HANDHOLE 17" X 30" (POLYMER)
- SERVICE ENTRANCE AND CABINET
- PROPOSED OR EXISTING UTILITY POLE TO REMAIN
- CAP UNDERGROUND CONDUIT



GENERAL NOTES (CONT.):

9. ALL CONDUCTORS SHALL BE COPPER, THWN, RATED AT 600 VOLTS AND SHALL BE COLOR CODED BLACK, WHITE AND GREEN.
10. LUMINAIRES SHALL BE INSTALLED AT 18.5" OFF OF THE PROPOSED CURBLINE MEASURED TO THE FACE OF PROPOSED LUMINAIRE. SEE DRAWING NO. ILL-06 FOR INSTALLATION DETAILS.
11. THE SERVICE CABINET FINISH COAT SHALL BE FACTORY APPLIED BLACK, THE COLOR SHALL BE FEDERAL STANDARD 595, COLOR NO. 27038.
12. ALL UTILITY COSTS ASSOCIATED WITH THE INSTALLATION OF THE LIGHTING CONTROL CABINET SHALL BE PAID FOR UNDER ITEM 1017001 - SERVICE INTRANCE & CABINET - TYPE I.

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DESIGNER/DRAFTER:

CL/MLK

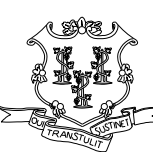
CHECKED BY:

MWD

SCALE IN FEET

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SCALE 1"=20'



STATE OF CONNECTICUT  
DEPARTMENT OF TRANSPORTATION

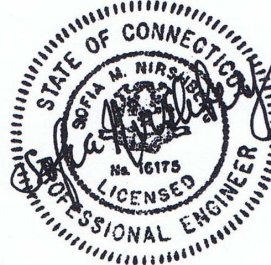


ENGINEER:

VN ENGINEERS, INC.

APPROVED BY:

DATE:



PROJECT TITLE:

RECONSTRUCTION OF ROUTE 31

TOWN:

COVENTRY

DRAWING TITLE:

ILLUMINATION PLAN - 1

PROJECT NO.

32-130

DRAWING NO.

ILL-02

SHEET NO.

06.02

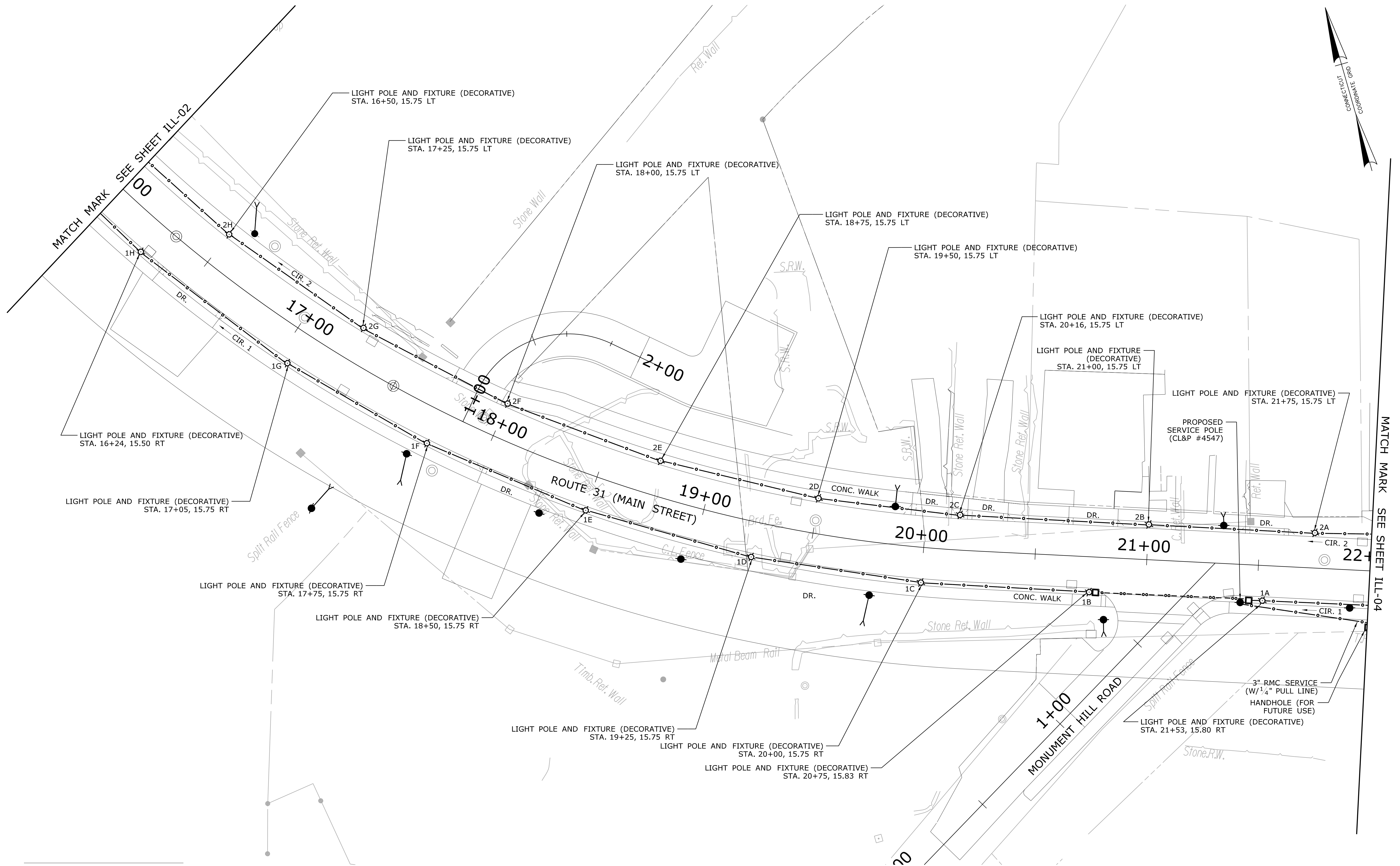
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REVISION DESCRIPTION

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REV.	DATE	REVISION DESCRIPTION	SHEET NO.

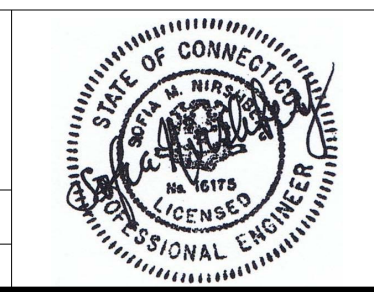
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DESIGNER/DRAFTER:  
CL/MK  
CHECKED BY:  
HWD  
SCALE IN FEET  
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STATE OF CONNECTICUT  
DEPARTMENT OF TRANSPORTATION



ENGINEER: VN ENGINEERS, INC.  
APPROVED BY: DATE:

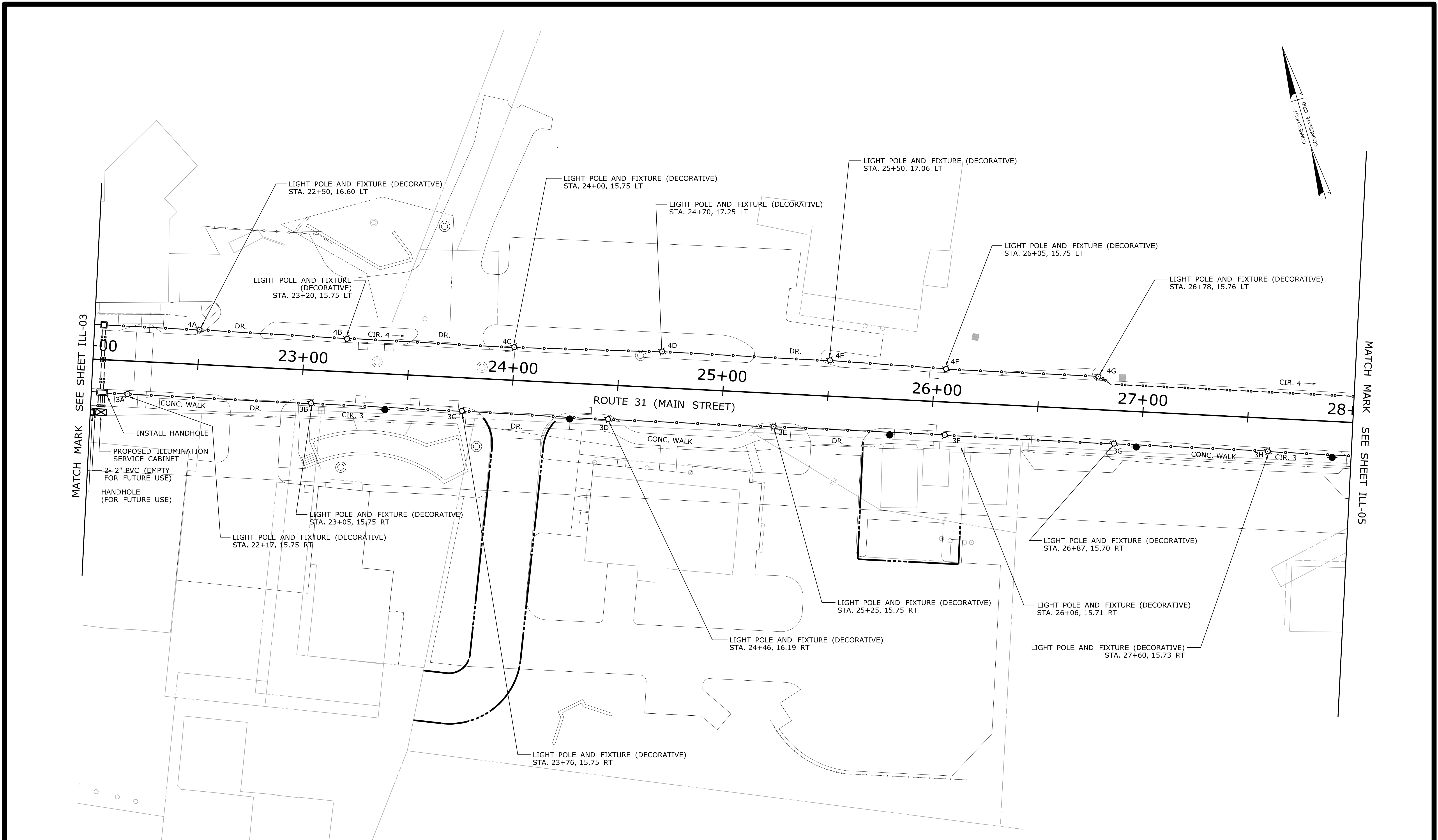


PROJECT TITLE:  
**RECONSTRUCTION OF ROUTE 31**

TOWN:  
**COVENTRY**  
DRAWING TITLE:  
**ILLUMINATION PLAN - 2**

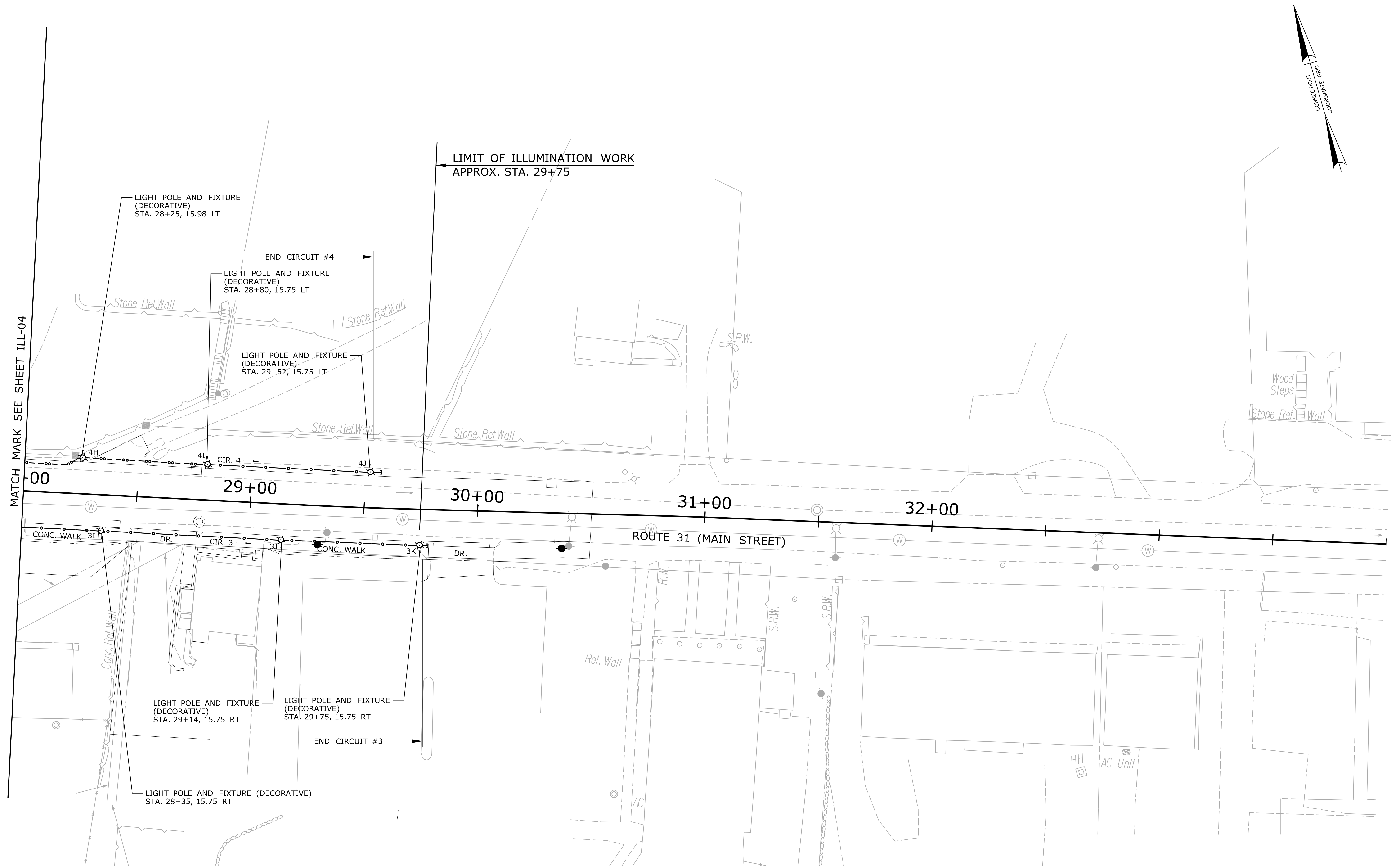
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**32-130**  
DRAWING NO.  
**ILL-03**  
SHEET NO.  
**06.03**





<div>REV. DATE</div> <div>REVISION DESCRIPTION</div> <div>SHEET NO.</div>			<div>THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.</div>			<div>DESIGNER/DRAFTER: CL/HK</div> <div>CHECKED BY: HWD</div> <div>SCALE IN FEET 0 20 40 SCALE 1"=20'</div>			<div>STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION</div> <div>ENGINEER: VN ENGINEERS, INC.</div> <div>APPROVED BY:</div> <div>DATE:</div>			<div>PROJECT TITLE:</div> <div>RECONSTRUCTION OF ROUTE 31</div>			<div>TOWN:</div> <div>COVENTRY</div> <div>DRAWING TITLE:</div> <div>ILLUMINATION PLAN - 3</div>			<div>PROJECT NO.</div> <div>32-130</div> <div>DRAWING NO.</div> <div>ILL-04</div> <div>SHEET NO.</div> <div>06.04</div>		
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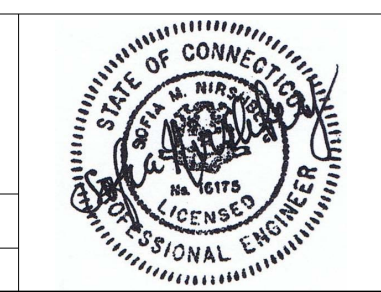


REV.	DATE	REVISION DESCRIPTION	SHEET NO.

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER:  
CL/MK  
CHECKED BY:  
HWD  
SCALE IN FEET  
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STATE OF CONNECTICUT  
DEPARTMENT OF TRANSPORTATION  
ENGINEER: VN ENGINEERS, INC.  
APPROVED BY: DATE:

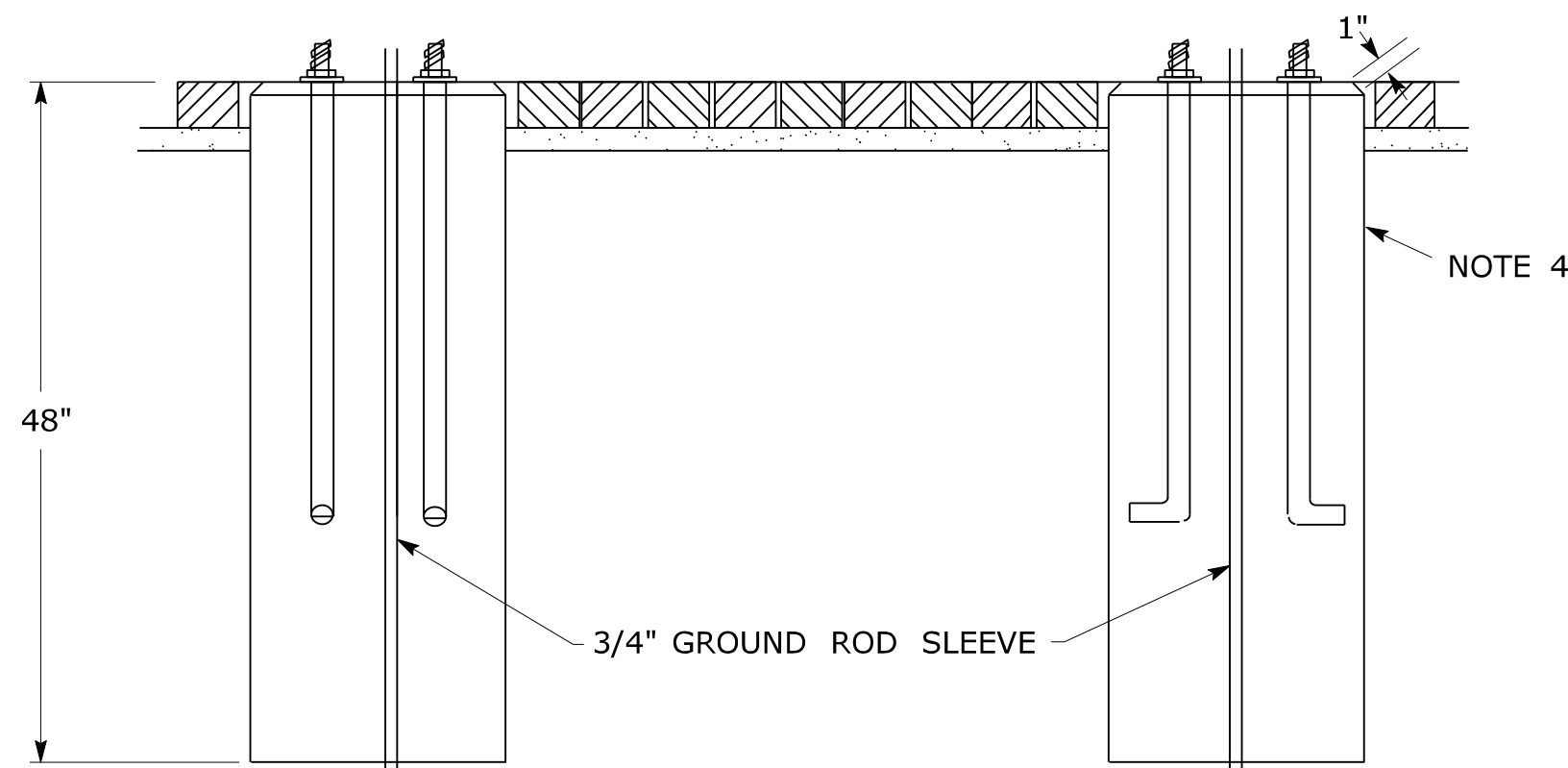
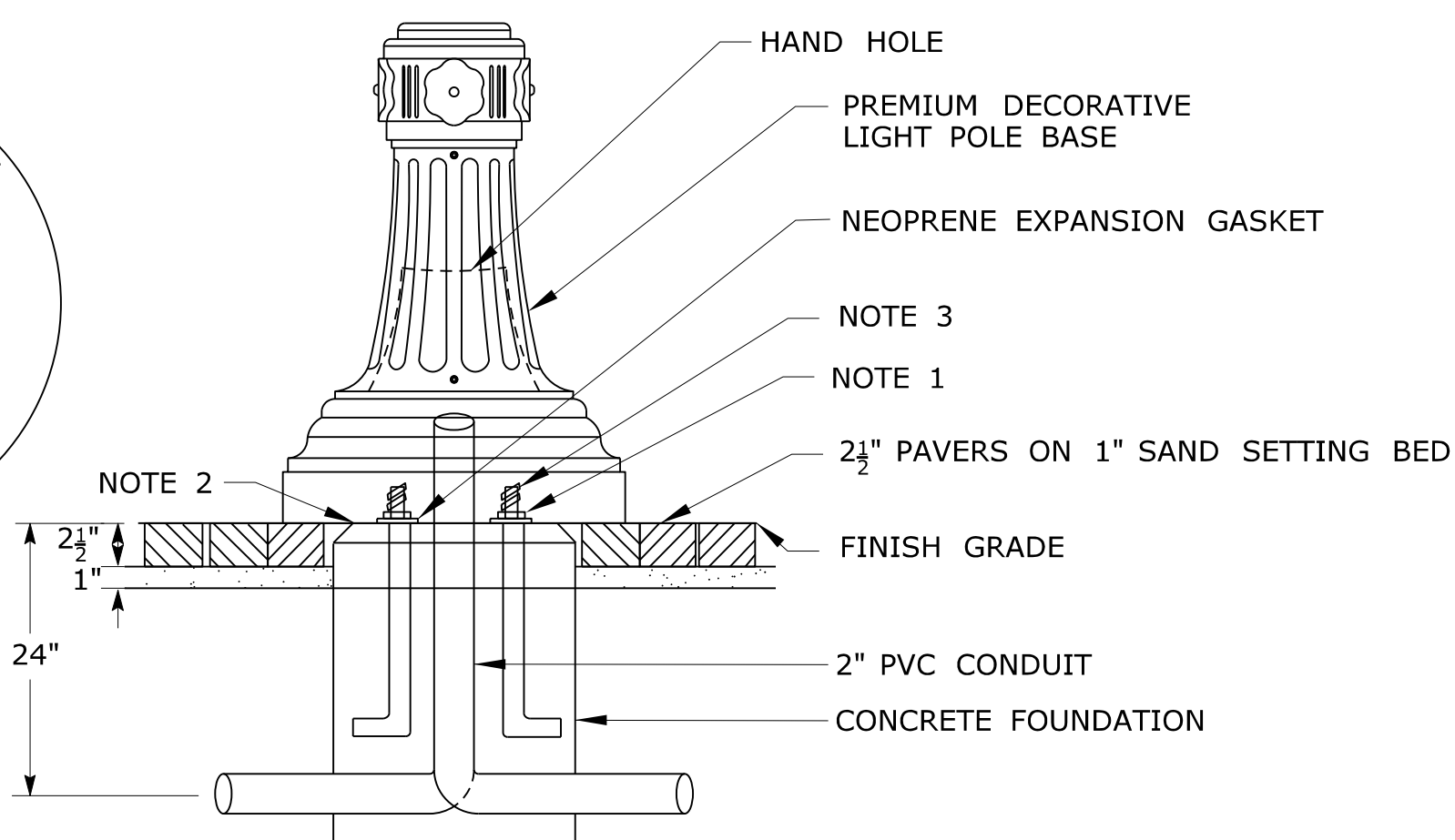
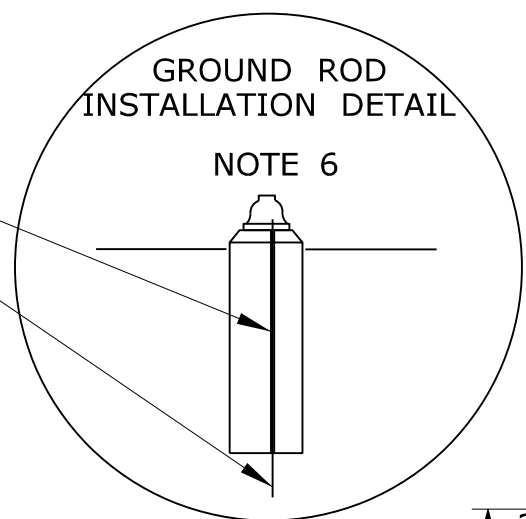
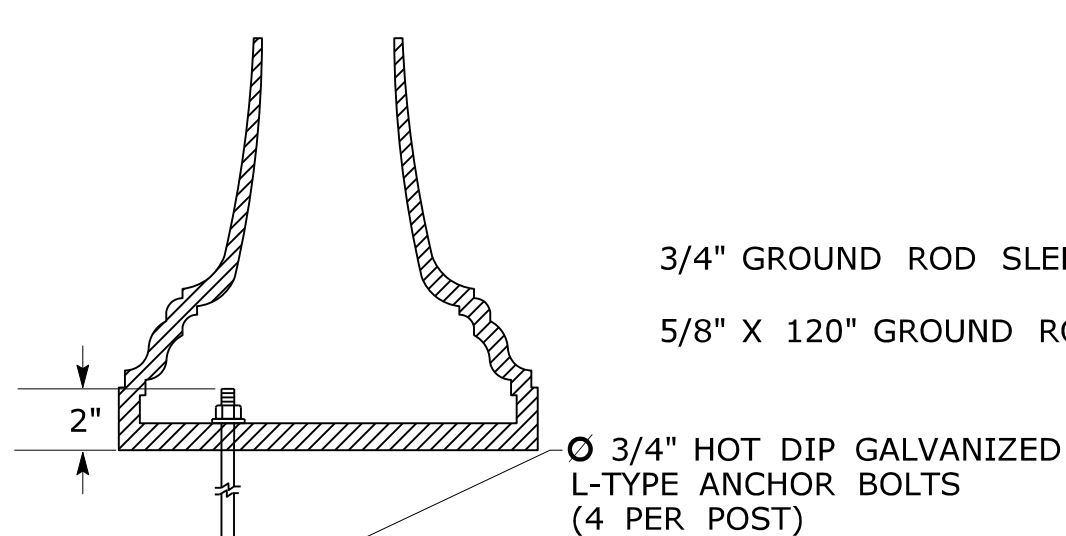
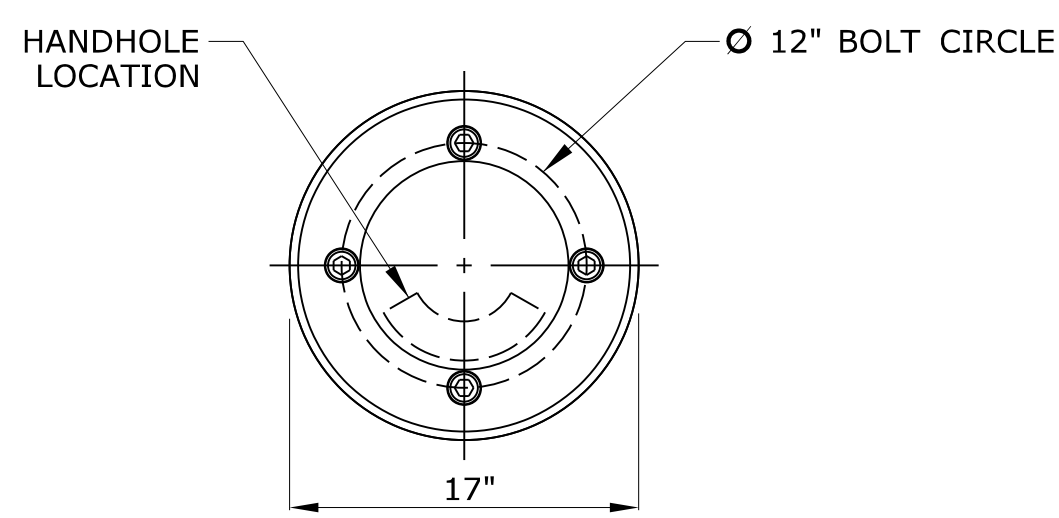


PROJECT TITLE:  
RECONSTRUCTION OF ROUTE 31

TOWN: COVENTRY  
DRAWING TITLE: ILLUMINATION PLAN - 4

PROJECT NO. 32-130  
DRAWING NO. ILL-05  
SHEET NO. 06.05



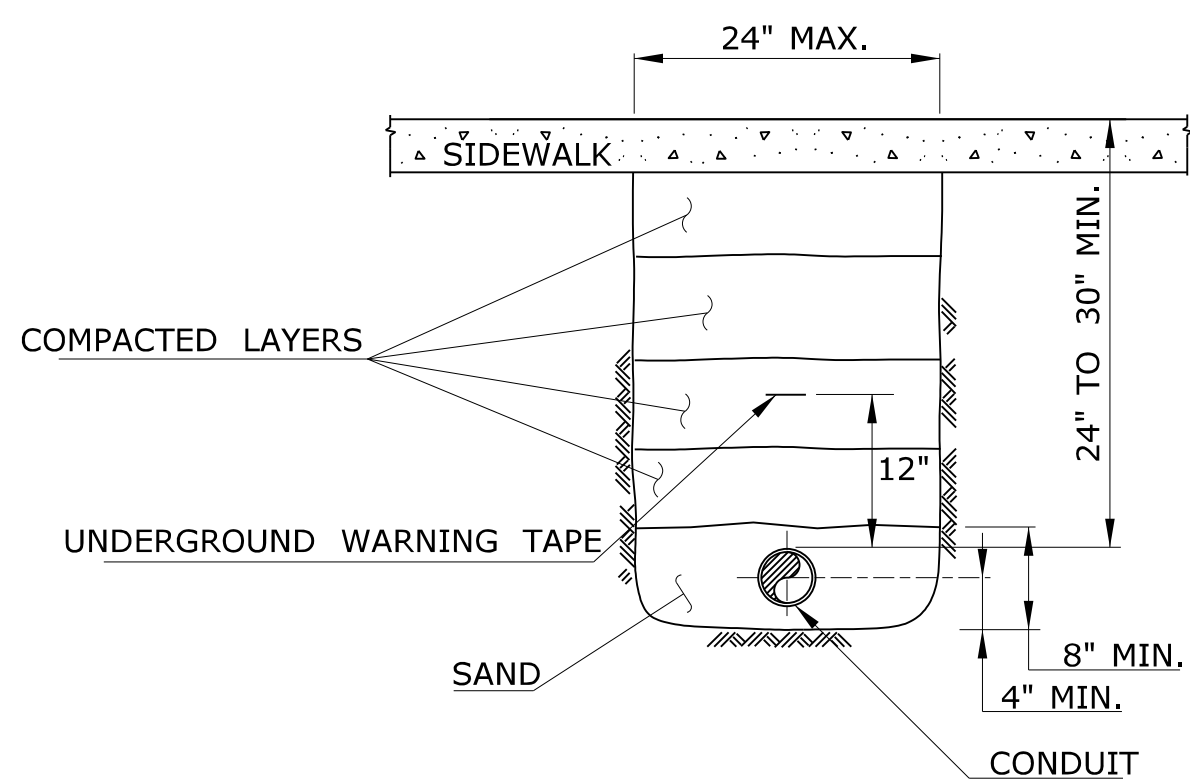


- NOTES:
- USE 2-1/4" SQUARE WASHERS IF THE WASHERS PROVIDED WITH THE BASE ARE TOO SMALL.
  - LEAVE A SMALL SPACE (APPROX. 1/8" MAX.) BETWEEN BOTTOM OF POLE AND TOP OF CONCRETE BASE FOR AIR CIRCULATION AND DRAINAGE.
  - SECURE POLE WITH TOP NUT AND WASHER. A CROWS FOOT SOCKET WRENCH IS SUGGESTED FOR TIGHTENING THE TOP NUTS.
  - INSTALLATION TIPS:
    - VERIFY THAT ANCHOR BOLT SIZE AND BOLT CIRCLE DIMENSION OF THE CONCRETE FOUNDATION MATCHES THAT OF THE POLE PRIOR TO INSTALLING THE CONCRETE BASE.
    - VERIFY THAT CONCRETE FOUNDATION IS POSITIONED CORRECTLY TO ENSURE PROPER ORIENTATION OF THE POLE HANDHOLE.
    - PRIOR TO INSTALLING THE POLE, VERIFY THAT THE CONCRETE BASE IS REASONABLY PLUMB.
  - DO NOT ATTEMPT TO INSTALL THE POLE IF THE FOUNDATION IS OFF PLUMB. IN THE CASE OF A SKEWED FOUNDATION, NOTIFY SUPERVISION AND HAVE THE FOUNDATION CORRECTED BY THE FOUNDATION INSTALLER.
  - INSTALL GROUND ROD AT TIME OF FOUNDATION INSTALLATION. GROUND ROD WILL BE INSTALLED BY FOUNDATION INSTALLER AND SHALL CONNECT GROUND ROD INSTALLED IN THE GROUND ROD SLEEVE TO A #6 COPPER GROUND WIRE.

GENERAL NOTES

- CONCRETE AND CONCRETE DESIGN SHALL BE IN ACCORDANCE WITH ACI 318-1986.
- FINAL 28-DAY CONCRETE STRENGTH TO BE 5000 PSI.
- ANCHOR BOLTS TO BE STEEL PER ASTM A36-1987E1, 3/4"x24" WITH 3-INCH LEG, ROLLED THREADS PREFERRED, 4-INCH THREAD, W/GALVANIZED HEX NUT AND ROUND FLAT GALVANIZED WASHER. THREADED END TO BE GALVANIZED A MINIMUM OF 6 INCHES.
- MANUFACTURER'S IDENTIFICATION AND MONTH/YEAR WHEN MANUFACTURED SHALL BE LEGIBLY MARKED IN/ON CONCRETE WITHIN 3 INCHES OF THE TOP.

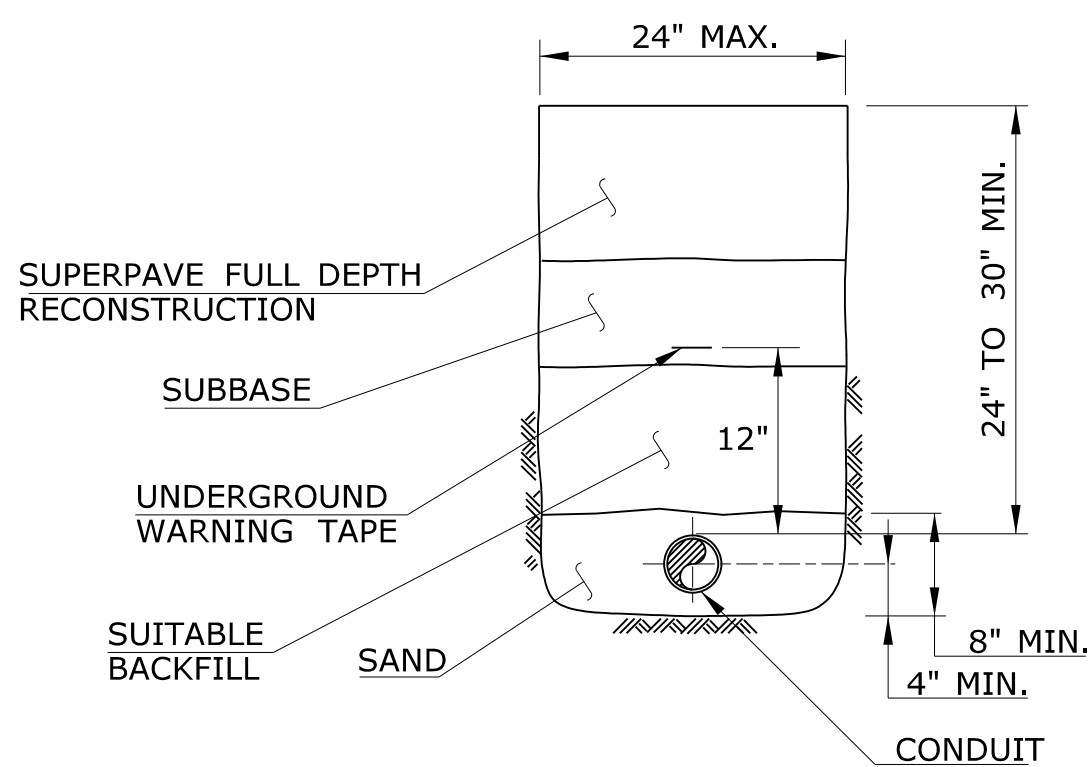
**BASE - DECORATIVE LIGHT POLE  
PRECAST CONCRETE FOUNDATION - ROUND**



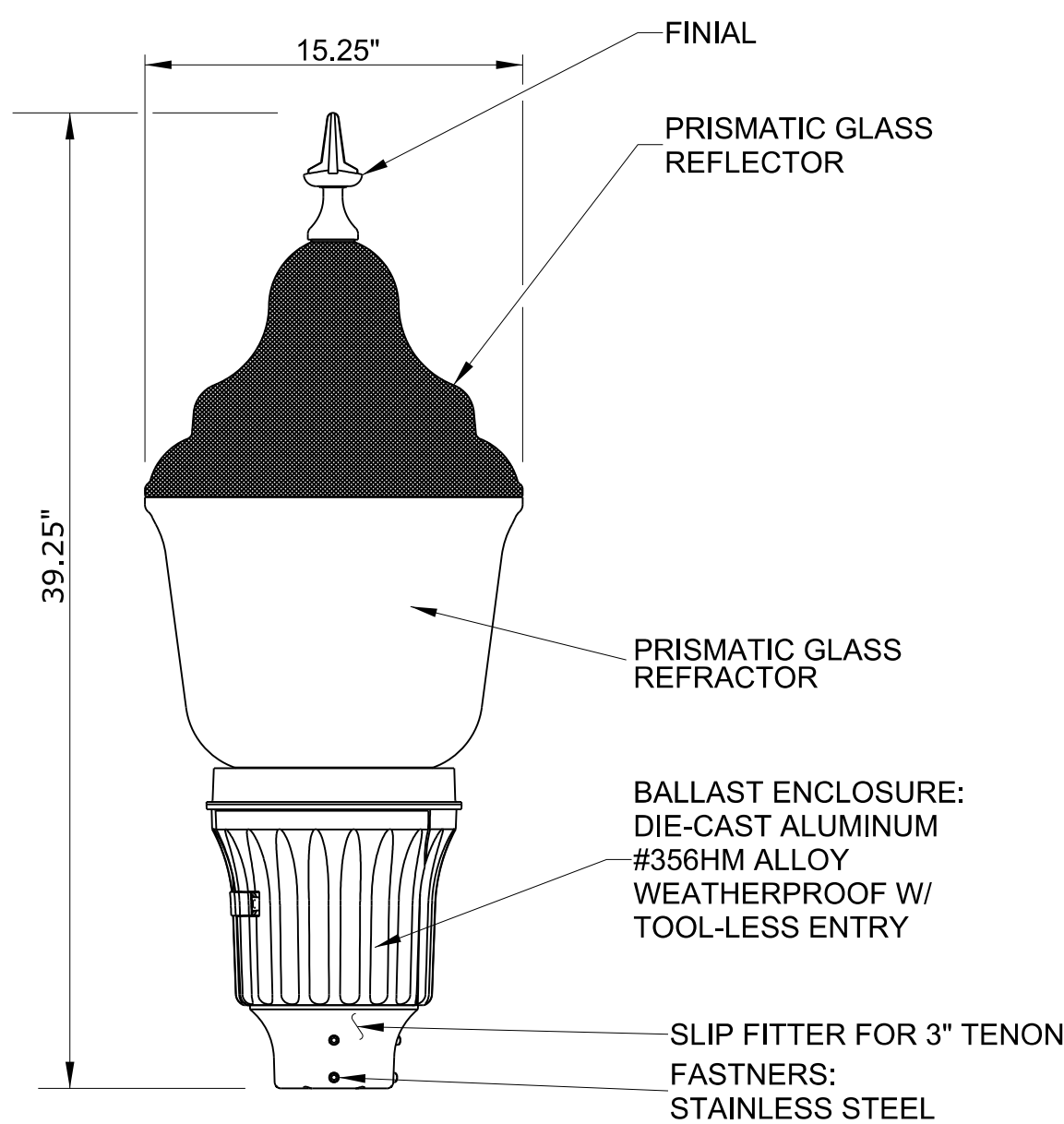
GENERAL NOTE

- COMPACT BACKFILL IN 6"+ LAYERS, IN ACCORDANCE WITH SECTION 9.21.03

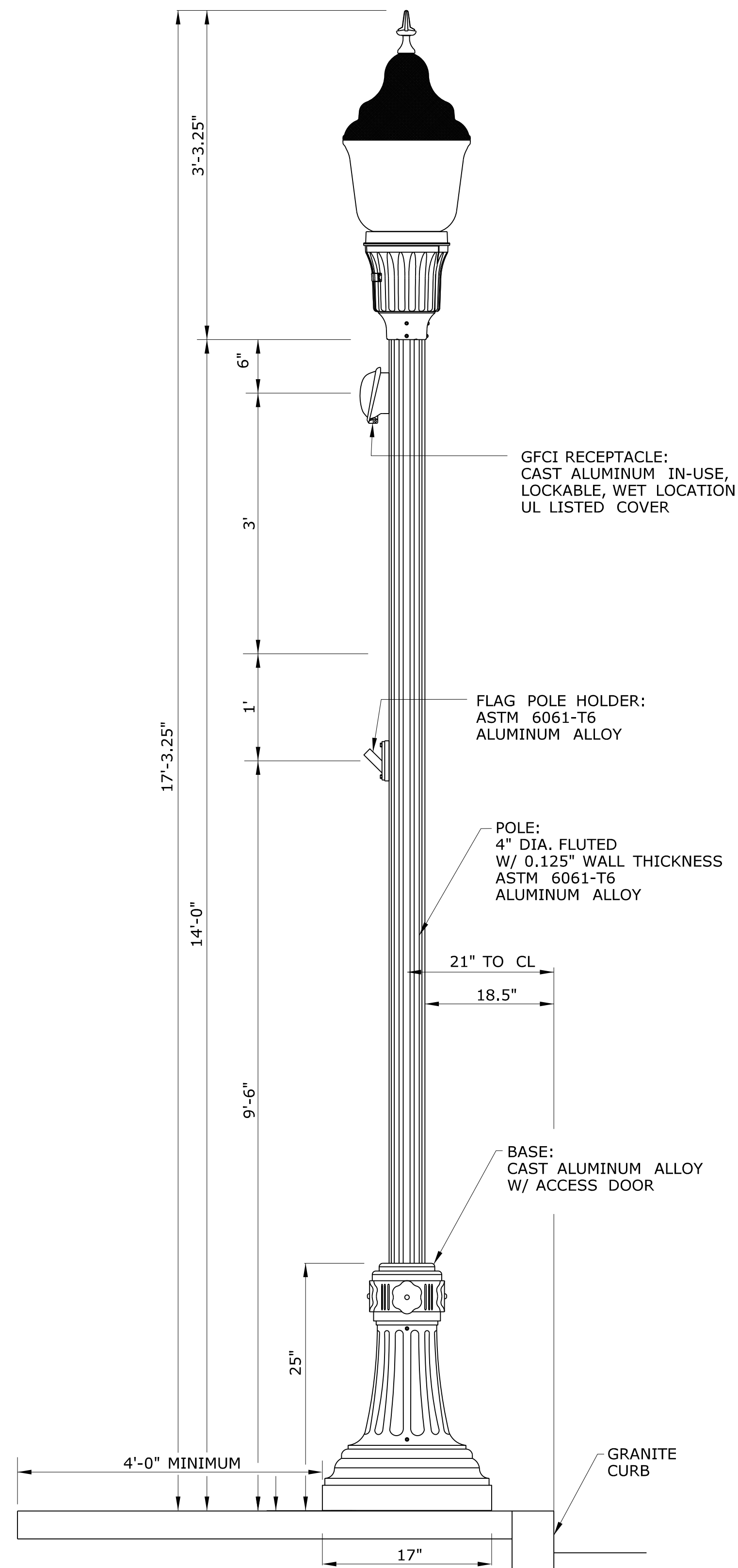
**CONDUIT UNDER SIDEWALK**




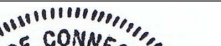
**CONDUIT UNDER  
BITUMINOUS CONCRETE PAVEMENT**



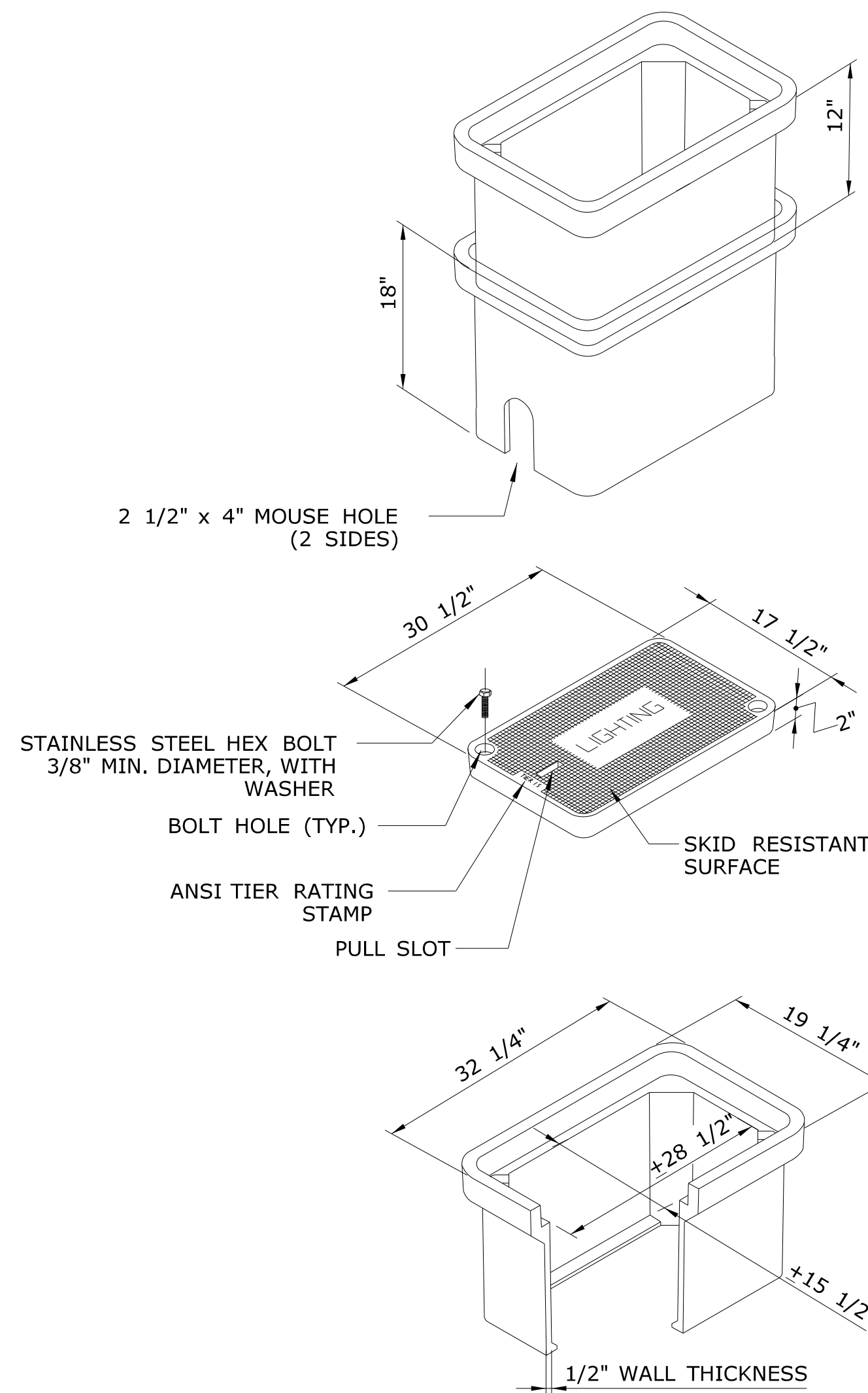
**DECORATIVE LUMINAIRE**



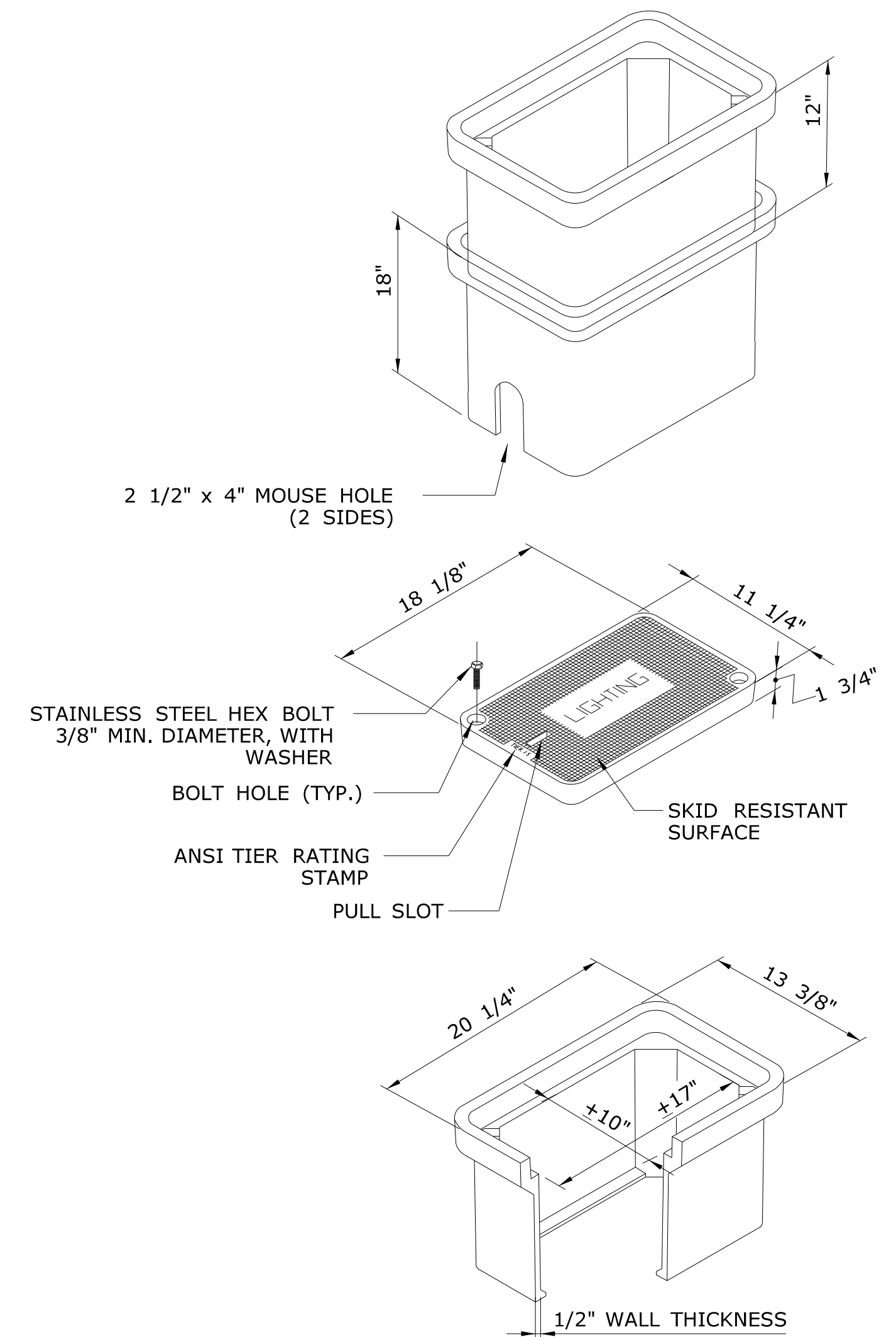
**DECORATIVE LIGHT POLE**

				THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.	DESIGNER/DRAFTER: CL/MK		STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION		PROJECT TITLE:  RECONSTRUCTION OF ROUTE 31	TOWN:  COVENTRY	PROJECT NO. 32-130	
					CHECKED BY: MWD					DRAWING NO. ILL-06		
					SCALE AS NOTED					SHEET NO. 06.06		
REV.	DATE	REVISION DESCRIPTION	SHEET NO.		ENGINEER: VN ENGINEERS, INC.					APPROVED BY:	DATE:	DRAWING TITLE: MISCELLANEOUS ILLUMINATION DETAILS
Filename:												

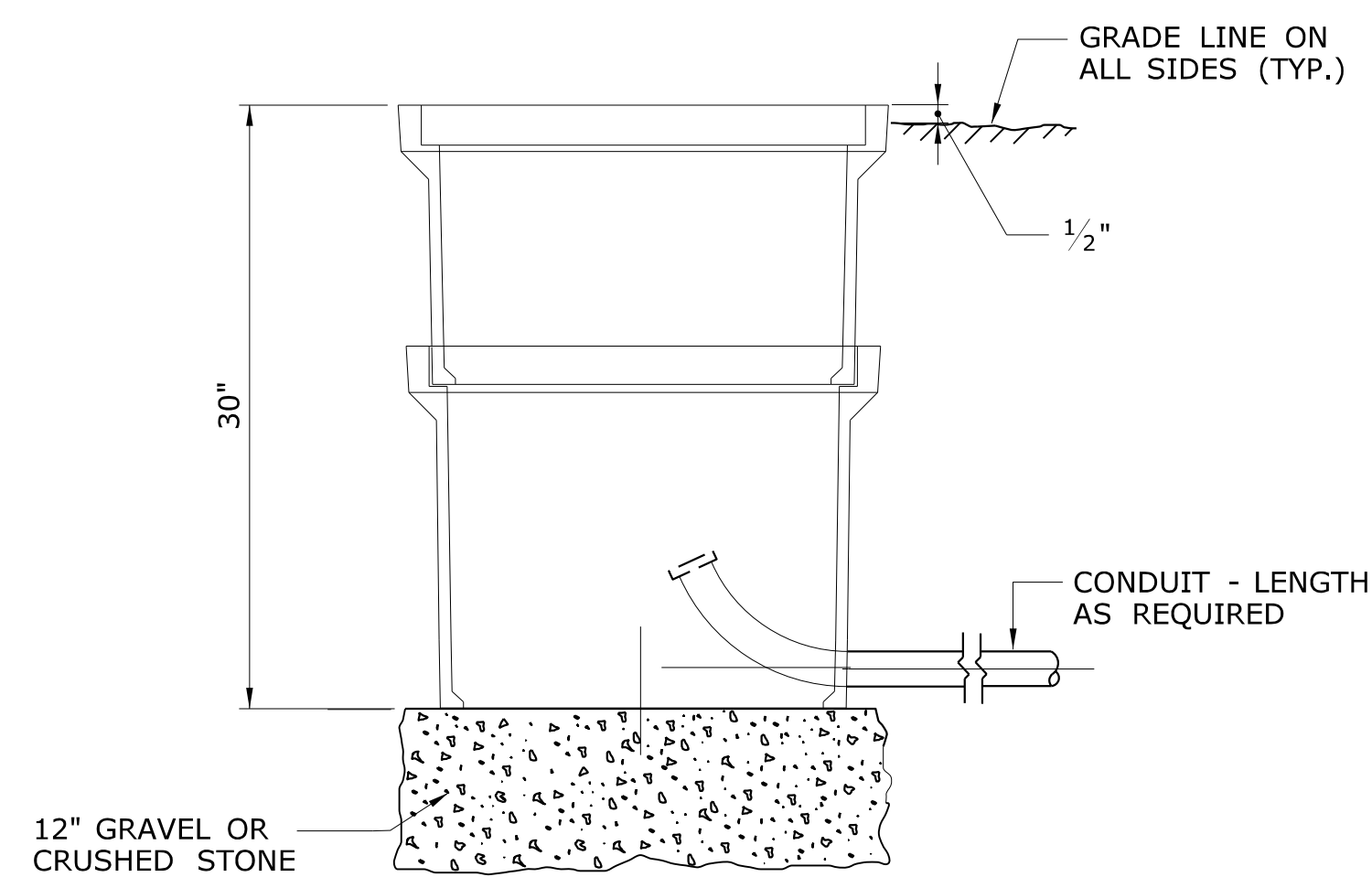




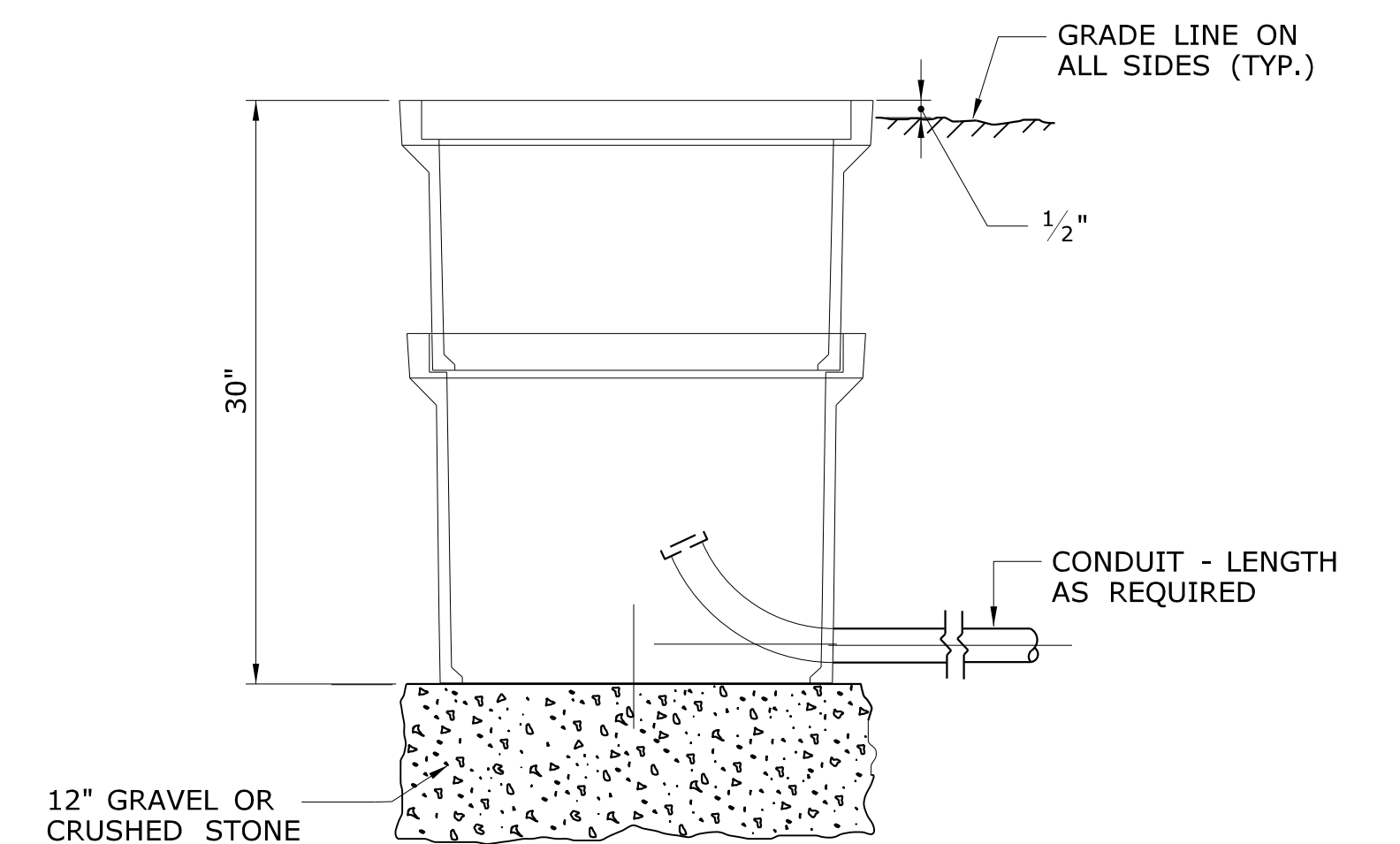
**17" x 30" PRECAST POLYMER HANDHOLE**




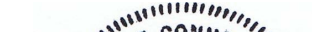
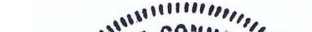
**11" x 18" PRECAST POLYMER HANDHOLE**



**TYPE II - 17" X 30" POLYMER HANDHOLE INSTALLATION**

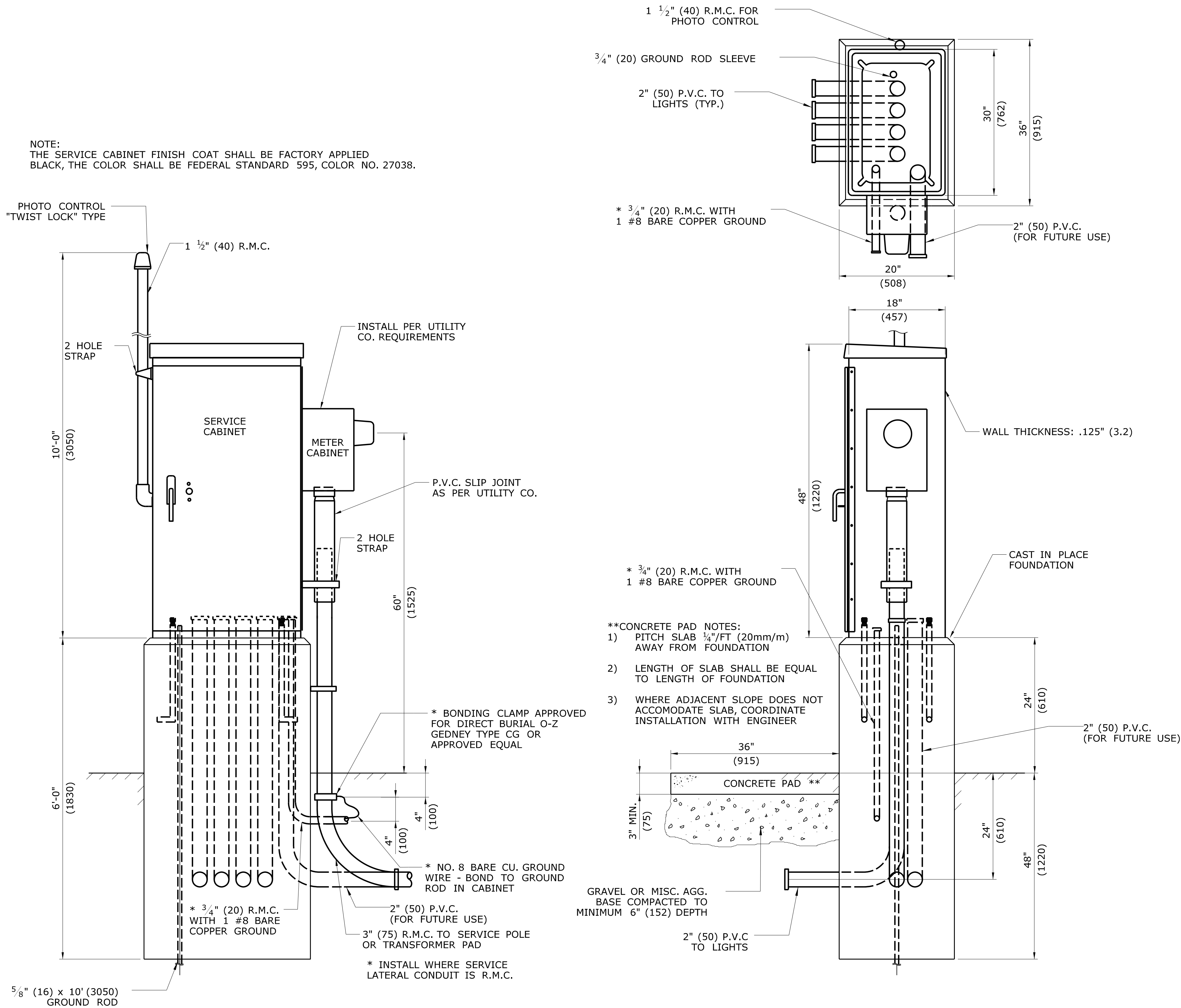


**11" X 18" POLYMER HANDHOLE INSTALLATION**

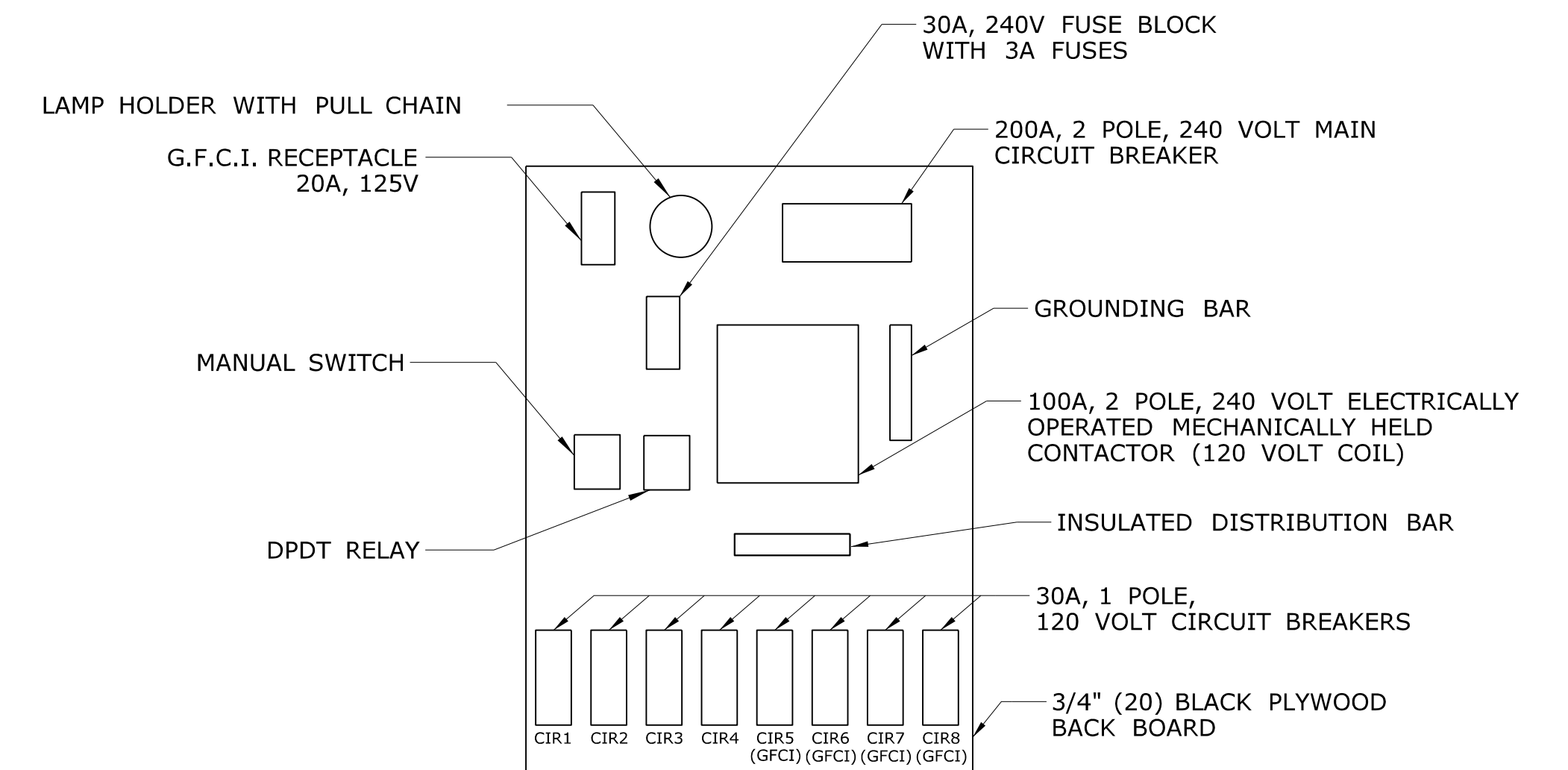
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				CHECKED BY: MWD					DRAWING TITLE:	<b>HANDHOLES</b>	DRAWING NO. <b>ILL-07</b>	
				SCALE AS NOTED					ENGINEER: VN ENGINEERS, INC.			
									APPROVED BY:	DATE:		
REV.	DATE	REVISION DESCRIPTION	SHEET NO.									
Filename:												



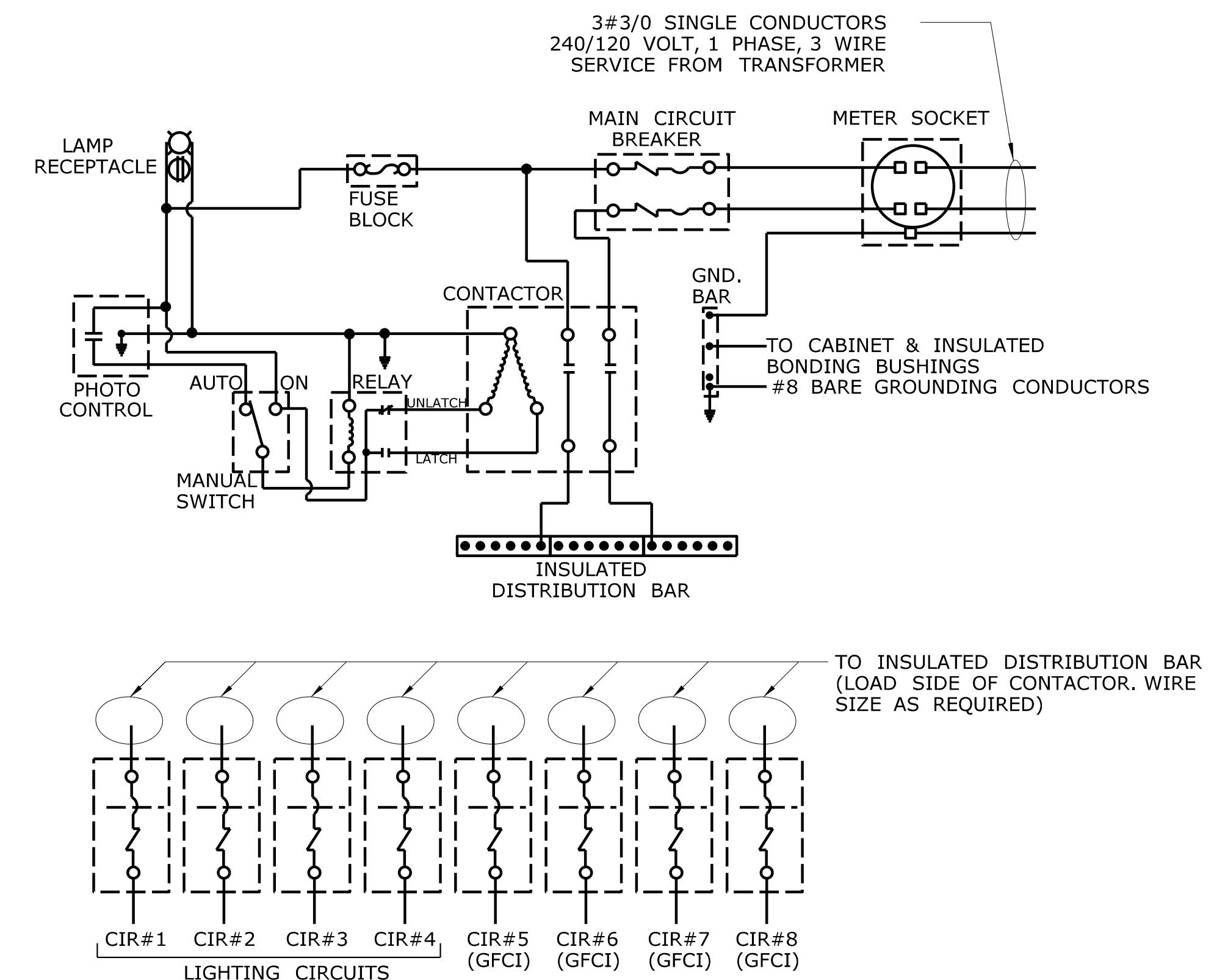
NOTE:  
THE SERVICE CABINET FINISH COAT SHALL BE FACTORY APPLIED  
BLACK, THE COLOR SHALL BE FEDERAL STANDARD 595, COLOR NO. 27038.





**SERVICE ENTRANCE AND CABINET TYPE I**



**PANEL LAYOUT - SERVICE CABINET**



**WIRING DIAGRAM**

			THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.			DESIGNER/DRAFTER: CL/MK CHECKED BY: MWD		<b>STATE OF CONNECTICUT</b> DEPARTMENT OF TRANSPORTATION		PROJECT TITLE:  <b>RECONSTRUCTION OF ROUTE 31</b>	TOWN:  <b>COVENTRY</b>	PROJECT NO. <b>32-130</b> DRAWING NO. <b>ILL-08</b> SHEET NO. <b>06.08</b>				
						SCALE AS NOTED							ENGINEER: VN ENGINEERS, INC.	APPROVED BY:	DATE:	DRAWING TITLE: <b>SERVICE ENTRANCE AND CABINET - TYPE I</b>
REV.	DATE	REVISION DESCRIPTION	SHEET NO.													
Filename:																